

CLAIMS

1. A communication system, comprising:

at least a broadcast center wirelessly broadcasting at least one multimedia stream; and
at least one wireless receiver receiving the stream over a wireless broadcast link, the receiver being provided with control data associated with the multimedia stream over a bidirectional wireless link.

2. The system of Claim 1, wherein the bidirectional wireless link is not associated with the broadcast link.

3. The system of Claim 1, wherein the broadcast link is unidirectional and is characterized by at least one of: CDMA principles, GSM principles, and OFDM principles.

4. The system of Claim 1, wherein the bidirectional wireless link is selected from the group including: a CDMA link, a GSM link, a 802.11 link, and a Bluetooth link.

5. The system of Claim 1, wherein the bidirectional wireless link is a point-to-point wireless communication link.

6. The system of Claim 1, wherein the receiver is a mobile communication device having at least one display for displaying the multimedia data.

7. The system of Claim 1, wherein the receiver is a mobile communication device having at least one speaker for presentation of multimedia audio data.

8. The system of Claim 1, wherein the control data includes at least one of: at least one key useful in decrypting the multimedia stream, data associated with a subscription to a multimedia broadcast service, data associated with a registration on a multimedia broadcast network, at least one application useful in decoding the multimedia data, billing information, data related to user preferences, and data related to levels of service related to providing the multimedia stream.

9. The system of Claim 1, wherein services are ordered over the bidirectional link.
10. The system of Claim 1, wherein products are ordered over the bidirectional link.
11. The system of Claim 1, further comprising at least one digital broadcast multimedia (DBM) controller useful at least for encrypting, encoding and/or aggregating the multimedia stream.
12. The system of Claim 1, wherein the control data includes data useful for de-interleaving, decompressing, and decoding the multimedia stream.
13. The system of Claim 1, wherein the control data includes data useful for indexing into the multimedia stream for channel selection and tracking.
14. The system of Claim 11, further comprising at least one network control center communicating with the DBM controller at least for receiving keys there from, the network control center communicating with the wireless receiver over the bidirectional wireless link.
15. The system of Claim 14, further comprising at least one NCC controller associated with the network control center at least for providing to receivers applications related to playing multimedia streams.
16. The system of Claim 14, further comprising at least one network operations controller (NOC) associated with the broadcast network operations center at least for providing to receivers applications related to playing multimedia streams through a bidirectional wireless link.
17. A method for providing a multimedia stream to a wireless communication device, comprising:
broadcasting the multimedia stream over a wireless broadcast channel; and
transmitting, over a bidirectional wireless link, control data necessary for displaying the multimedia stream on the device.

18. The method of Claim 17, wherein at least some control data is transmitted to the wireless device.
19. The method of Claim 17, wherein at least some control data is transmitted from the wireless device.
20. The method of Claim 17, wherein the bidirectional wireless link is not associated with the broadcast channel.
21. The method of Claim 17, wherein the broadcast channel is unidirectional.
22. The method of Claim 21, wherein the broadcast link is characterized by at least one of: CDMA principles, GSM principles, and OFDM principles.
23. The method of Claim 17, wherein the bidirectional wireless link is at least one of: a CDMA link, a GSM link, and OFDM link.
24. The method of Claim 17, wherein the bidirectional wireless link is at least one of a 802.11 link, a Bluetooth link, and a satellite link, and is a point-to-point wireless communication link.
25. The method of Claim 17, wherein the receiver is a mobile communication device having at least one display for displaying the multimedia stream and at least one speaker for presentation of multimedia audio data.
26. The method of Claim 17, wherein the control data includes at least one key useful in decrypting the multimedia stream.
27. The method of Claim 17, wherein the control data includes data associated with a subscription to a multimedia broadcast service.

28. The method of Claim 17, wherein the control data includes at least one of: data associated with a registration on a multimedia broadcast network, at least one application useful in playing the multimedia data, billing information, and data related to user preferences.

29. The method of Claim 17, wherein the control data includes data related to levels of service related to providing the multimedia stream.

30. The method of Claim 17, wherein the multimedia stream is digital and is encrypted.

31. The method of Claim 17, wherein the control data includes data useful for de-interleaving, encrypting decompressing, and decoding the multimedia stream.

32. The method of Claim 17, wherein the control data includes data useful for indexing into the multimedia stream for channel selection and tracking.

33. The method of Claim 17, comprising ordering at least one of: services, and products, over the bidirectional link.

34. A wireless client station capable of communicating using at least two communication links, comprising:

at least one processor receiving a digital multimedia stream received on a broadcast channel and control data received on a bidirectional wireless link; wherein
the processor uses the control data to enable presentation of the multimedia stream on a display.

35. The client station of Claim 34, wherein the bidirectional wireless link is not associated with the broadcast channel.

36. The client station of Claim 34, wherein the broadcast channel is unidirectional.

37. The client station of Claim 34, wherein the bidirectional wireless link is at least one of: a CDMA link, a 802.11 link, a GSM link, a satellite link, and a Bluetooth link.

38. The client station of Claim 34, wherein the bidirectional wireless link is a point-to-point wireless communication link.
39. The client station of Claim 34, wherein the control data includes at least one key useful in decrypting the multimedia stream.
40. The client station of Claim 34, wherein the control data includes data associated with a subscription to a multimedia broadcast service and/or data associated with a registration on a multimedia broadcast network.
41. The client station of Claim 34, wherein the control data includes at least one application useful in playing the multimedia data.
42. The client station of Claim 34, wherein the control data includes billing information data related to user preferences and/or data related to levels of service related to providing the multimedia stream.
43. The client station of Claim 34, wherein the multimedia stream is digital and is encrypted.
44. The client station of Claim 34, wherein the control data includes data useful for de-interleaving, decrypting, decompressing, and decoding the multimedia stream.
45. The client station of Claim 34, wherein the control data includes data useful for indexing into the multimedia stream for channel selection and tracking.
46. The client station of Claim 34, wherein at least one of: services, and products, can be ordered over the bidirectional link.
47. A system for providing a multimedia stream to a wireless communication device, comprising:
means for broadcasting the multimedia stream over a wireless broadcast channel; and

means for transmitting, over a bidirectional wireless link, control data necessary for displaying the multimedia stream on the device.

48. The system of Claim 47, further comprising means for encrypting the multimedia stream.

49. The system of Claim 48, means for communicating with the encrypting means at least for receiving keys therefrom, the means for communicating with the wireless receiver over the bidirectional wireless link.

50. The system of Claim 49, further comprising means, communicating with the means for communicating, for providing, to receivers, applications related to playing multimedia streams.